

# Center for Meat Processing Technology

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## Background

Established in 1991 for the development of new meat products and processing technologies.

*The center has successfully commercialized its patented technology for the ultra-high temperature pasteurization of meat surfaces and has graduated.*

## Technologies

- Ultra-High Temperature (UHT) pasteurization of meat surfaces.



\* See newspaper article on page 52

- Low-fat lamb chops, beef steaks, pork chops, and bacon.
- Processing technology to reduce fat content of raw meat.
- Processing technology to bond meat to bone.
- Combining UHT with electron beam radiation technology to produce sterile meat products.
- UHT pasteurization combined with High-Temperature Aging (HTA) to produce tender steaks and roasts from the cheaper, less tender primal cuts of beef carcasses.

## Center Highlights and Accomplishments

- **Two license agreements** with B.V. Holland (for EEC countries and Eastern Europe) and **Agri-Products Inc.** of Woods Cross, Utah (for U.S.A., Canada & Mexico) have been signed for the use of UHT processing and marketing, creating a significant revenue stream in terms of royalties for USU.
- **A license agreement** for South America and the Pacific Rim is currently under negotiation.
- Production of UHT low-fat meat products began in Feb, 1996 at Bakker, Lekkerker, Holland (15,000lb/wk) and Feller's Pre-Cooked Meats, North Salt Lake (30,000lb/week)
- Currently USU holds **four patents** covering UHT pasteurization, bonding of meat to bone, and low-fat technology.

## Summary Data:

### Current

1995-96 Award .....	\$260,000
Matching Funds .....	\$581,930
Patents Pending .....	2
Patents Issued .....	4
License Agreements .....	2
Spin-off Companies .....	2
Companies Assisted .....	37
Industry Jobs .....	15
Center Jobs .....	19

### Cumulative

Awards .....	\$1,030,860
Matching Funds .....	\$2,415,576
Patents Issued .....	4
License Agreements .....	2
Spin-off Companies .....	2